

11-19-04

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Practitioner's Docket No. 1012-121C2(99-15CON2)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Hajduk et al.

Serial No.: 10/799,070

Filed: March 12, 2004

For: HIGH THROUGHPUT VISCOMETER AND METHOD OF USING SAME

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants submit this statement in accordance with their duty of disclosure under 37 CFR 1.56 and 1.97-1.98. The submission made herewith is in no way intended as an admission that the cited items constitute material prior art or otherwise would render the claims unpatentable in any way. The submission also is in no way intended to substitute for the Examiner's own independent investigation.

A listing of the references on forms PTO/SB/08A and PTO/SB/08B are submitted herewith. Copies of the references have not been provided because they are available in the parent. Applicants respectfully solicit the Examiner's consideration of the cited references and entry thereof into the record of this application.

This Information Disclosure Statement is being submitted after the mailing of a first Office Action, but before the final rejection. A fee of \$180.00 is believed to be due. Please charge the amount of \$180.00 to deposit account 50-0496.

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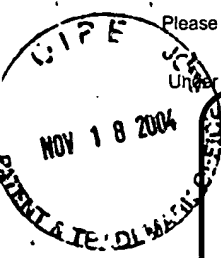
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<b>Application Number</b>	10/799,070		
<b>Filing Date</b>	03/12/04		
<b>First Named Inventor</b>	Damian Hajduk et al.		
<b>Group Art Unit</b>			
<b>Examiner Name</b>			
<b>Attorney Docket Number</b>	1012-121C2		
<b>Sheet</b> 1 <b>of</b> 5			

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		3,675,475		Weinstein	07/11/1972	
		3,805,598		Corcoran	04/23/1974	
		3,818,751		Karper et al.	06/25/1974	
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		3,933,032		Tschoegl	01/20/1976	
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		4,699,000		Lashmore et al.	10/13/1987	
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		4,740,078		Daendliker et al.	04/26/1988	
		4,749,854		Martens	06/07/1988	
		4,789,236		Hodor et al.	12/06/1988	
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		4,975,320		Goldstein et al.	12/04/1990	
		5,008,081		Blau et al.	04/16/1991	
		5,092,179		Ferguson	03/03/1992	
		5,193,383		Burnham et al.	03/16/1993	

FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
			WO 00/17413		Symyx Technologies, Inc.	03/30/2000		
			WO 00/23921		Symyx Technologies, Inc.	04/27/2000		
			WO 00/36410		Symyx Technologies, Inc.	06/22/2000		
			WO 00/40331		Symyx Technologies, Inc.	07/13/2000		
			WO 00/51720		Symyx Technologies, Inc.	09/08/2000		
			WO 00/67086		Symyx Technologies, Inc.	11/09/2000		
			WO 96/11878		Reg. of the Univ. of California	04/25/1996		
			WO 01/79949		Symyx Technologies, Inc.	10/25/2001		
			JP 02297040		Akaha	12/1990		

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Sheet	2	of	5	Attorney Docket Number	1012-121C2

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		5,236,998		Lundeen et al.	08/17/1993	
		5,269,190		Kramer et al.	12/14/1993	
		5,271,266		Eschbach	12/21/1993	
		5,280,717		Hoseney et al.	01/15/1994	
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		5,776,359		Schultz et al.	07/07/1998	

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		Number	Kind Code <sup>2</sup> (if known)			
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		6,034,240		LaPointe	03/07/2000	
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		6,050,139		Bousfield et al.	04/18/2000	
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		6,294,388		Petro	09/25/2001	
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		5,115,669		Fuller et al.	05/1992	

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		KIM, J.O. and B. Lewis Slaten, "Objective Assessment of Fabric Handle in Fabrics Treated With Flame Retardants," Journal of Testing and Evaluation, JTEVA, Vol. 24, No. 4, July 1996, pp. 223-228.	
		ODIAN, Principles of Polymerization, 3rd Ed., John Wiley & Sons, Inc. (1991)	
		OSTERBERG, Peter M. and Stephen D. Senturia, "M-TEST: A Test Chip for MEMS Material Property Measurement Using Electrostatically Actuated Test Structures," Journal of Microelectromechanical Systmes, Vol. 6, No. 2, June 1997	
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		RAEEL, MASTURA and Jiang Liu, "An Empirical Model for Fabric Hand" Textile Research Journal 62, 1, pp. 31-38 (1991).	
		TIMOSHENKO, S., Theory of Plates and Shells, McGraw-Hill, New York 1940	
		YOUNG, W.C., Roark's Formulas for Stress and Stain, 1989	
		Bowl, C., "A Simple Capillary Viscometer" in Pysics Education, March 1975, Institute of Physics, volume 10, no. 2, England, pages 102-103.	

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Substitute for form 1449B/PTO  <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; font-size: small;">(use as many sheets as necessary)</p>		Complete if Known	
		Application Number	10/799,070
		Filing Date	03/12/2004
		First Named Inventor	Damian Hajduk et al.
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	1012-121C2
Sheet	1	of	0

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		U.S. Application Serial No. 09/420,334 entitled " Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 18, 1999	
		U.S. Patent Application Serial No. 09/305,830 titled "Synthesizing Combinatorial Libraries of Materials" (Rust, et al.) filed on May 5, 1999	
		U.S. Application Serial No. 09/550,549 entitled "Automated Process Control And Data Management System And Methods" (Crevier, et al.) filed on April 14, 2000	
		U.S. Application Serial No. 09/755,623 entitled "Laboratory Database System and Methods For Combinatorial Materials Research" (Dorsett, Jr., et al.) filed on January 5, 2001.	
		The family of applications for U.S. Application Serial No. 09/227,558 entitled, "Apparatus and Method of Research for Creating and Testing Novel Catalysts, Reactions and Polymers" (Turner et al.) filed January 8, 1999	
		The family of applications for U.S. Application Serial No. 09/211,982 entitled "Parallel Reactor With Internal Sensing" (Turner et al.) filed December 14, 1998 (Copy submitted as now issued patent 6,306,658)	
		U.S. Application Serial No. 09/235,368 entitled "Polymerization Method From the Combinatorial Synthesis and Analysis of Organometallic Compounds and Catalysts" (Weinberg et al.) filed on January 21, 1999	
		U.S. Provisional Application Serial No. 60/122,704 entitled "Controlled, Stable Free Radical Emulsion and Water-Based Polymerizations" (Klaerner et al.) filed on March 9, 1999	
		The family of applications for U.S. Application Serial No. 09/156,827 entitled "Formation of Combinatorial Arrays of Materials Using Solution-Based Methodologies" (Giaquinta et al.) filed September 18, 1998	
		The family of applications for U.S. Application Serial No. 09/567,598 entitled "Polymer Libraries on a Substrate, Method for Forming Polymer Libraries on a Substrate and Characterization Methods with Same" (Boussie et al.) filed May 10, 2000	
		U.S. Application Serial No. 09/579,338 entitled "Rheo-Optical Indexer and Method of Screening and Characterizing Arrays of Materials" (Carlson et al.) filed on May 25, 2000	

Examiner Signature		Date Considered	
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<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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		U.S. Patent Application Serial No. 09/939,404 entitled "High Throughput Mechanical Property and Bulge Testing of Material Libraries," (D. Hajduk et al.) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/939,252 entitled "High Throughput Mechanical Rapid Serial Property Testing of Material Libraries," (P. Mansky) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/939,139 entitled "High Throughput Fabric Handle Screening," (M. Kossuth et al.) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/939,149 entitled "High Throughput Rheological Testing Of Materials" (Paul Mankys et al.) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/939,263 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using Capacitance," (D. Hajduk et al.) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/938,994 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using a Piezoelectric," (D. Hajduk) filed on August 24, 2001.	
		The family of applications for U.S. Patent Application Serial No. 09/580,024 entitled "Instrument for High Throughput Measurement of Material Physical Properties and Method of Using Same," (Carlson, et al.) filed on May 26, 2000	
		The family of applications for U.S. Patent Application Serial No. 09/174,856 titled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 19, 1998.	
		U.S. Application Serial No. 09/801,165 entitled "Method and Apparatus for Characterizing Materials By Using a Mechanical Resonator" filed March 7, 2001 (Copy submitted as now issued patent 6,336,353)	

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		CALLEJA, F.J. BALTA, "Microhardness Studies of Polymres and Their Transitions," TRIP, December 1994, pp. 419-425, Vol. 2, No. 12.	
		"DMA 2980 Dynamic Mechanical Analyzer," www.tainst.com/dma2.html, December 29, 2000.	
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		LACOMBE, ROBERT H. and Jeremy Greenblatt, "Mechanical Properties of Thin Polyimide Films," pp. 647-668.	
		SADOVSKY, ELLA AMITAY and H. Daniel Wagner, "Evaluation of Young's Modulus of Polymers from Knoop Microindentation Tests," Polymer Communications, 1998, pp. 2387-2390, Vol. 39, No. 11.	
		SHINOZAKI, D.M. and Y. Lu, "Micro-Indentation Relaxation Measurements in Polymer Thin Films," Journal of Electronic Materials, 1997, pp. 852-858, Vol. 26, No. 7.	
		"Standard Test Method for Rubber Property-International Hardness," American Society for Testing and Materials, pp. 1-4.	
		WIERENGA, P.E. and A.J.J. Franken, "Ultramicroindentation Apparatus for the Mechanical Characterization of Thin Films," J. Appl.Phys., June 1984, pp. 4244-4247, 55 (12).	
		"Handle-O-Meter" Thwing-Albert Instrument Company, Philadelphia, PA.	
		ALI, S.I. and Shahida Begum, "Fabric Softeners and Softness Perception", Ergonomics, v.37, No. 5, pp. 801-806 (1994).	
		GROVER, G. et al., "A Screening Technique for Fabric Handle", J. Text. Inst., 1993, 84 No. J. Textile Institute, pp. 486-494.	

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